

(AMENDED) The pPUR vector is modified to include a unique *NotI* site by cutting with *EcoRI* and ligating in the oligonucleotide, AATTGCGGCCGC (SEQ ID NO:1).

On page 34, lines 27 - 28, please amend the following:

(AMENDED) TKf: ACTG GGATCCAAAT GAGTCTTCGG (SEQ ID NO: 2).

TKr: ACTG GCGGCCGC CAAACGACCC AACACCCGTG (SEQ ID NO:3).

On page 35, lines 1 -7, please amend the following:

(AMENDED) 5'-CC CACCTGGATC TCCCAGATTT GTGAGGAAGG TTGCTGGAGA GC-3' (MUSTCRA 89394-89437, C α exon 4) (SEQ ID NO: 4)

and for the region 5' to C α exon 1:

5'-GGAAA GCCCTGCTGG CTCCAAGATGGCTGAGGGAA AGGTCTACGG-3'
(MUSTCRA 81681-81725, 5' to C α exon 1) (SEQ ID NO: 5).

On page 35, lines 14 -16, please amend the following:

(AMENDED) PCa3'f: 5'-TAGTGGATCC CATGCAGAGAGAAACCGAAGTACGTG-3' (SEQ ID NO: 6).

PCa3'r : 5'-GCTACAGAGTGAAGTCATGGATCCTG-3' (SEQ ID NO: 7).

On page 35, lines 24 -26, please amend the following:

(AMENDED) PCa5'f: 5'-GGTCT GTGTTCCATA TGACGTCAGT ACG-3' (SEQ ID NO: 8)

PCa5'r: 5'-ATTACATATGGTCCTAACTTAGGTCAGAACTCAGATGC-3' (SEQ ID NO: 9)

On page 38, line 23, please amend the following:

(AMENDED) Cα exon2 probe: 5'-CG TTCCCTGTGA TGCCACGTTG ACTGAGAAAA
GCTTTG-3' (SEQ ID NO: 10).

On page 39, lines 17- 21, please amend the following:

(AMENDED) Cβ1: 5'- TGAGAAAGTC CAAAAACTCG GGGTACCATT
CCACCATAGA-3' (AE000665 158041-158080) (SEQ ID NO: 11).

Cβ2: 5'-GGAGT TAACCTGGTT GTGTCTCAGC AGTTTCTTTG GACTCCTGTG-3'
(AE000665 168427-168471) (SEQ ID NO: 12)

On page 39, lines 31- 32, please amend the following:

(AMENDED) B/N #1 (top): 5'-GAT CCG TTA ACG C-3' (SEQ ID NO: 13)
B/N #2 (bottom): 3'-GC AAT TGC GCC GG-5' (SEQ ID NO: 14)

On page 41, lines 17- 20, please amend the following:

(AMENDED) PRIMb5'f: 5'-GGATTCA AAGGTTACCT TATGTGGCCA C-3' (SEQ ID
NO: 15)

PRIMb5'r: 5'-GCCCC AAAGGCCTAC CCGCTTCC -3' (SEQ ID NO: 16)

On page 43, lines 22- 25, please amend the following:

(AMENDED)

FseI KspI Ascl
pYAC4 Oligo-(1) 5'-AATTCggCCggCCCCgCggggCgCgCCg-3' (SEQ ID NO: 17)

pYAC4 Oligo-(2) 5' AATTCggCgCgCCCCgCggggCCggCCg-3'(SEQ ID NO: 18)

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On page 46, lines 20- 24, please amend the following:

(AMENDED) Screening oligo #1- 5'- GTCTCTACTT TACTAAAAAT ACAAAAATTA
GCCAGGTGTG GTGGTG-3' (SEQ ID NO: 19)

Screening oligo #2-5'- GTCACAGGGC TGAGGGAAGG AGACAAGAGC CTGGACAGCA-
3' (SEQ ID NO: 20)

On page 56, lines 3- 5, please amend the following:

(AMENDED) V β (near C term) VW510: ATCCTTTCTCTTGACCATGGCCATC (SEQ
ID NO: 21)

V α (near C term) VW512: GCTGGACCACAGCCGCAGCGTCATG (SEQ ID NO: 22)

On page 58, lines 19- 21, please amend the following:

(AMENDED) Recombinant bacteria containing the HLA-A2 gene are detected by colony
hybridization (Hanahan, D, and M. Meselson (1980) Gene **10**:63-67), using the synthetic
oligonucleotide 5'-TGTCTCCCCGTCCCAAT-3' (SEQ ID NO: 23) as a probe.

REMARKS

The sequence disclosure has been amended to comply with the requirements of 37 CFR
1.821 through 1.825. No new matter is being added by virtue of the compliance with the